WHAT IS CLAIMED IS:

1 1. A mobile computing system comprising:

2 a personal computer architecture system (PC);

3 a personal digital assistant architecture system (PDA);

4 a switch;

5 a first bus connecting the PC to the switch and the PDA to the switch, whereby

6   the switch isolates control of the mobile computing system to either the

7   PC or the PDA; and

8 a communication device connecting the PC and the PDA wherein the PDA or

9   the PC readily is able to interface to the communication device.

1 2. The mobile computing system of claim 1 further comprising:

2 a set of peripheral input output devices selectively controllable by either the

3   PC or the PDA system.

1 3. The mobile computing system of claim 1 further comprising:

2 a second bus that connects the PC to the communication device; and a third

3   bus that connects the PDA to the communication device whereby the

4   PC and the PDA are readily able to interface to the communication

5   device.

1 4. The mobile computing system of claim 2 further comprising:

2 a second bus that connects the PC to the communication device; and

3 a third bus that connects the PDA, and the set of peripheral input output

4   devices to the communication device, whereby the PC interfaces to the

5   communication device and the set of peripheral input output devices

6   when active, and the PDA interfaces to the communication device and

7   the set of peripheral input output devices when active.

1   5.   The mobile computing system of claim 3 wherein the PDA is a slave

2   device and the PC is a master device along the third bus.

1   6.   The mobile computing system of claim 4 wherein the PDA is a slave

2   device and the PC is a master device along the third bus.

1   7.   The mobile computing system of claim 3 wherein the second bus is a

2   peripheral component interconnect (PCI) bus and the third bus is a low pin count

3   (LPC) bus.

1   8.   The mobile computing system of claim 4 wherein the second bus is a

2   peripheral component interconnect (PCI) bus and the third bus is a low pin count

3   (LPC) bus.

1   9.   The mobile computing system of claim 1 wherein the PDA is

2   integrated into a mini PCI card.

1   10.   The mobile computing system of claim 1 wherein the PDA is

2   integrated into a PC system board.

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1   11.   The mobile computing system of claim 1 wherein the PDA and the

2   communication device are integrated into a mini PCI card.

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1   12.   The mobile computing system of claim 1 wherein the PDA and the

2   communication device are integrated into a PC system board.

1   13.   A method of providing communication access in a dual PC and PDA

2   computing system comprising of:

3   connecting a PC system to a communication device;

4   connecting a PDA system to the communication device;

5   isolating control of the communication device to the PDA when the PC is

6   inactive; and

7   isolating control of the communication device to the PC when the PDA is

8   inactive.

1   14.   The method of claim 13 further comprising:

2   providing information from the PDA to the PC when the PC is active.

1   15.   The method of claim 13 wherein the communication device is a

2   wireless communication technology device.

1   16.   The method of claim 13 further comprising:

2   connecting the PC system and the PDA system to a common set of peripheral

3   input output devices; and

4   providing control of the peripheral input output devices to the PC system when

5   the PC system is in control and the PDA system when the PDA is in

6   control.